PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCH	HING AUTH	ORITY					
To: GEOFFREY L. MELNICK G.E. EHRLICH (1995) LTD. II MENACHEM BEGIN STREET				PCT			
RAMAT-GAN, 52 524 ISRAEL				WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
				(PCT Rule 43bis.1)			
				Date of mailing (day/month/year) 19 SEP 2006			
Applicant's or agent's file r 29153	eference			FOR FURTHER ACTION See paragraph 2 below			
International application No		International f	iling date	(day/month/year)	Priority date (day/month/year)		
PCT/IL05/00197		17 February 2	ary 2005 (17.02.2005)		17 February 2004 (17.02.2004)		
International Patent Classifi	cation (IPC)	or both national	classifica	tion and IPC			
IPC: A61K 31/715(2006.01);A01N 43/04(2006.01);C07H 15/00(2006.01) USPC: 514/53,54,23;536/17.5,21,55.2 Applicant							
YEDA RESEARCH AND	DEVELOPM	ENT CO. LTD).				
1. This opinion contains in	ndications rel	ating to the follo	owing iter	ms:			
Box No. I	Basis of the opinion						
Box No. II	Priority						
Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
Box No. IV	Lack of uni	Lack of unity of invention					
Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
Box No. VI	Certain documents cited						
Box No. VII	Certain def	Certain defects in the international application					
Box No. VIII	Certain obs	ervations on the	internati	onal application			
2. FURTHER ACTIO							
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.							
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.							
For further options, see Form PCT/ISA/220.							
3. For further details, see notes to Form PCT/ISA/220.							
Name and mailing address of the ISA/ US Mail Stop PCT, Aun: ISA/US		JS Date opini	-	etion of this	Devesh Khare A. Roberto for		
Commissioner for Patents P.O. Box 1450		05 Se	eptember	2006 (05.09.2006)	Telephone No. (571) 272-1600		

Alexandria, Virginia 22313-1450
Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International	application No.	

PCT/IL05/00197

Box No	o. I Basis of this opinion				
1. With a	regard to the language, this opinion has been established on the basis of:				
\bowtie	the international application in the language in which it was filed				
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).				
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:					
a.	type of material				
	a sequence listing				
	table(s) related to the sequence listing				
b.	format of material				
	on paper				
	in electronic form				
c.	time of filing/furnishing				
	contained in the international application as filed.				
	filed together with the international application in electronic form.				
	furnished subsequently to this Authority for the purposes of search.				
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
4. Additi	onal comments:				

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

. હ

International application No.

PCT/IL05/00197

Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:				
the entire international application				
Claims Nos. 15-21				
because:				
the said international application, or the said claim Nos relate to the following subject matter which does not require an international search (specify):				
the description, claims or drawings (indicate particular elements below) or said claims Nos are so unclear that no meaningful opinion could be formed (specify):				
the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed (specify):				
no international search report has been established for said claims Nos. 15-21				
a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit:				
furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.				
furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.				
pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rules 13ter.1(a) or (b).				
a meaningful opinion could not be formed without the tables related to the sequence listings; the applicant did not, within the prescribed time limit, furnish such tables in electronic form complying with the technical requirements provided for in Annex C-bis of the Administrative Instructions, and such tables were not available to the International Searching Authority in a form and manner acceptable to it.				
the tables related to the nucleotide and/or amino acid sequence listing, if in electronic form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.				
See Supplemental Box for further details.				

Form PCT/ISA/237 (Box No. III) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IL05/00197

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
1. Statement						
Novelty (N)	Claims	1-14 and 22-54	YES			
	Claims	NONE	NO			
Inventive step (IS)	Claims	NONE	YES			
	Claims	I-14 and 22-54	NO			
Industrial applicability (IA)	Claims	1-14 and 22-54	YES			
	Claims	NONE	NO			

2. Citations and explanations:

Claims 1-14 and 22-54 lack an inventive step under PCT Article 33(3) as being obvious over US 4,882,318('318) and US 6,750,207 ('207).

The '318 patent teaches heparin and its derivatives useful in the treatment of tumor by inhibiting heparanase activity and thereby decreasing the metastasis of the tumor especially lung cancer (abstract and col.1-2). The '318 patent discloses the dosage of heparin and its derivatives between 50-500 ug/kg/day (claim 1).

The '207 patent teaches pharmaceutical preparations comprising a low molecular weight heparin for the prevention and/or treatment of pathological processes involving the induction of active TNF-a secretion (col.8, lines 64-67). The disaccharide represented by the instant claims is disclosed(col.10, lines 40-45). Various methods of treatment using said disaccharide or heparin is disclosed (col.12).

Claims 1-14 and 22-54 have industrial applicability as defined by PCT Article 33(4).